

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S2    | 243  | adjust\$4 near (quantiz\$7 near parameter\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR             | ON      | 2007/08/17 11:12 |
| S3    | 101  | statistical near multiplex\$4 same (bandwidth near constraint or limit)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR             | ON      | 2007/08/17 12:14 |
| S4    | 0    | (sliding near (window or period or threshold) same (adjustable near quantiz\$7 and parameter)) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2007/08/17 11:04 |
| S5    | 768  | (sliding near time) same (window or period or threshold)                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2007/08/17 11:05 |
| S6    | 1    | S3 and S5  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2007/08/17 11:06 |
| S7    | 1    | S2 and S5  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2007/08/17 11:05 |
| S8    | 2    | (target near (bitrate or bit\$1rate) same (statistical near multiplex))                        | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2007/08/17 11:08 |
| S9    | 414  | (adjustable or adjusted or adjusting) same quantiz\$7 parameter                                | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2007/08/17 11:11 |
| S10   | 1    | S5 and S9  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR             | ON      | 2007/08/17 11:12 |
| S12   | 0    | bandwidth near (constraint or remultiplex\$4) same (target near (bitrate or bit-rate))         | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR             | ON      | 2007/08/17 11:34 |

## EAST Search History

|     |        |  |  |      |     |                  |
|-----|--------|--|--|------|-----|------------------|
| S13 | 5      | (iterative near loop) same<br>(quantization and parameter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 11:51 |
| S14 | 875    | loop same (quantization and<br>parameter)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 11:37 |
| S15 | 50     | S9 and S14   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 11:40 |
| S16 | 1      | S5 and S15   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 11:39 |
| S17 | 1      | S5 and S14   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 11:39 |
| S18 | 2      | S3 and S14   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 11:54 |
| S19 | 19     | (iterative near loop) same<br>(quantization and parameter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 11:52 |
| S20 | 356    | (375/240.02).CCLS.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | OFF | 2007/08/20 11:30 |
| S21 | 1331   | (382/239).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | OFF | 2007/08/17 11:54 |
| S23 | 8      | S9 and S20   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/08/17 12:05 |
| S24 | 444665 | (window or threshold or interval)<br>near time             | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 12:19 |

## EAST Search History

|     |      |  |  |      |    |                  |
|-----|------|--|--|------|----|------------------|
| S25 | 52   | S3 and S24   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 12:17 |
| S26 | 2    | S14 and S25  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 12:15 |
| S27 | 4752 | sliding same (window or threshold<br>or interval) near time            | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 12:19 |
| S28 | 1    | S3 and S27   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 12:20 |
| S29 | 5391 | sliding same time\$4 near (window<br>or interval or slot or threshold) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 12:21 |
| S30 | 1    | S3 and S29   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 12:21 |
| S31 | 2    | S2 and S29   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 12:23 |
| S32 | 58   | multi\$1pass near encoding   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/17 15:50 |
| S33 | 5391 | sliding same time\$4 near (window<br>or interval or slot or threshold) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 15:38 |
| S34 | 1    | S32 and S33  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 15:38 |
| S37 | 19   | (iterat\$4 near loop) same<br>(quantization and parameter)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 15:46 |
| S38 | 875  | loop same (quantization and<br>parameter)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/17 15:46 |

## EAST Search History

|     |       |  |  |      |     |                  |
|-----|-------|--|--|------|-----|------------------|
| S39 | 1     | S37 and S32  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/08/17 15:47 |
| S40 | 2     | S38 and S32  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/08/17 16:12 |
| S41 | 125   | ((iterat\$4 or repeat\$4) near loop)<br>same (quantiz\$7)                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/08/17 15:48 |
| S42 | 1     | S32 and S41  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/08/17 15:48 |
| S43 | 101   | statistical near multiplex\$4 same<br>(bandwidth near constraint or limit) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/17 15:49 |
| S44 | 0     | S32 and S43  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/08/17 15:50 |
| S46 | 2     | "6038256".pn.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON  | 2007/08/17 17:20 |
| S49 | 5391  | sliding same time\$4 near (window<br>or interval or slot or threshold)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/20 11:31 |
| S50 | 70961 | ("375").CLAS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR   | OFF | 2007/08/20 11:30 |
| S51 | 105   | S49 and S50  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON  | 2007/08/20 11:31 |

## EAST Search History

|     |       |  |  |      |    |                  |
|-----|-------|--|--|------|----|------------------|
| S52 | 239   | (multi\$1pass or multi-pass or multiple adj1 pass) same encoding   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/20 11:32 |
| S53 | 1     | S51 and S52  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT             | NEAR | ON | 2007/08/20 11:32 |
| S55 | 23    | (sliding near window) same (bit\$rate or data rate) same bandwidth | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 12:23 |
| S58 | 456   | adjust near (quantization or quantisation)                         | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 13:34 |
| S59 | 17    | S52 and S58  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 13:28 |
| S60 | 445   | adjust adj (quantization or quantisation)                          | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 13:34 |
| S61 | 13622 | (sliding or period) near window                                    | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 13:35 |
| S62 | 6     | S60 and S61  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 13:41 |
| S63 | 745   | (pre-encoding or pre\$1encoding) near encod\$4                     | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 13:41 |
| S64 | 11    | S60 and S63  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/20 13:42 |

## EAST Search History

|     |       |  |  |      |    |                  |
|-----|-------|--|--|------|----|------------------|
| S65 | 6326  | frame adj1 frequency                                     | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:29 |
| S68 | 87825 | frame same frequency                                     | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:22 |
| S70 | 768   | (sliding near time) same (window or period or threshold) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:24 |
| S71 | 2     | S65 and S70  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:24 |
| S72 | 34525 | frame adj (frequency or rate)                            | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:30 |
| S73 | 28    | S70 and S72  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:32 |
| S74 | 969   | picture adj rate   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:32 |
| S75 | 1     | S70 and S74  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:33 |
| S77 | 9898  | sliding adj1 window                                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:49 |
| S78 | 15    | S74 and S77  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | NEAR | ON | 2007/08/21 08:49 |